## IAP9 Rec'd PCT/PTO 24 JAN 2005

## QGN-037.1P US.ST25.txt SEQUENCE LISTING

| <110>                            | Wille, Tanja<br>Lader, Eric<br>Korfhage, Christian                         |    |
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| <120>                            | Method for the Reverse Transcription and/or Amplification of Nucleic Acids |    |
| <130>                            | QGN-037.1P US  |    |
| <140><br><141>                   | (To Be Assigned)<br>2006-01-24   |    |
| <150><br><151>                   | US 60/489,643<br>2003-07-24  |    |
| <150><br><151>                   | PCT/EP2004/008363<br>2004-07-26  |    |
| <160>                            | 33   |    |
| <170>                            | PatentIn version 3.3   |    |
| <210><br><211><br><212><br><213> | 1<br>15<br>DNA<br>Artificial   |    |
| <220><br><223>                   | DNA oligonucleotides with a 3' phosphate terminal end                      |    |
| <400><br>ctccag                  | 1<br>ctta acggt  | 15 |
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| <220><br><223>                   | DNA oligonucleotides with a 3' phosphate terminal end                      |    |
| <400><br>taacgg                  | 2<br>tatt tggag  | 15 |
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| <400><br>taacgg                  | 3<br>tatt tggaggtcag cacggtgctc  | 30 |
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| <210><br><211><br><212><br><213> | 7<br>15<br>DNA<br>Artificial                                   |    |
| <220><br><223>                   | PNA with a 5' amino terminal end and a 3' carboxy terminal end |    |
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| <223>                            | PNA                    | with  | a  | 5' | amino | terminal | end   | and  | a :        | 3'  | carboxy | terminal | end |    |
| <400><br>gtcacca                 | 9<br>igca              | ggca  |    |    |       |          |       | •    |            |     |         |          |     | 14 |
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| <400><br>gtgaact                 | 10<br>cgg              | cg    |    |    |       |          |       |      |            |     |         |          |     | 12 |
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| <210><br><211><br><212><br><213> | 14<br>12<br>DNA<br>Art | ifici | al |    |       |          |       |      |            |     |         |          |     |    |
| <220><br><223>                   | PNA                    | with  | a  | 5' | amino | terminal | end   | and  | a          | 3'  | carboxy | terminal | end |    |
| <400×                            | 14                     |       |    |    |       |          |       |      |            |     |         |          |     |    |

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| gcggct                           | caag                    | tg      |    |       | QGN-(    | 037.3 | LP US | 5.5 | ST2! | 5.txt   |          |     | 12  |
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| <210><br><211><br><212><br><213> | 15<br>15<br>DNA<br>Arti | ificial |    |       |          |       |       |     |      |         |          |     |     |
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| <210><br><211><br><212><br><213> | 16<br>15<br>DNA<br>Arti | ficial  |    | ·     |          |       |       |     |      |         |          |     |     |
| <220><br><223>                   | PNA                     | with a  | 5' | amino | terminal | end   | and   | a   | 3'   | carboxy | terminal | end |     |
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| <220><br><223>                   | PNA                     | with a  | 5' | amino | terminal | end   | and   | a   | 3'   | carboxy | terminal | end |     |
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| <220><br><223>                   | PNA                     | with a  | 5' | amino | terminal | end   | and   | a   | 3'   | carboxy | terminal | end |     |
| <400><br>cagttta                 | 18<br>agta              | gttgg   |    |       |          |       |       |     |      |         |          |     | 15  |
| <210><br><211><br><212><br><213> | 19<br>15<br>DNA<br>Arti | ficial  |    |       |          |       |       |     |      |         |          |     |     |
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| <210><br><211><br><212><br><213> | 20<br>15<br>DNA<br>Artifi | cial |    |       |          |     |     |   |    |         |          |     |    |
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| <220><br><223>                   | PNA wi                    | th a | 5' | amino | terminal | end | and | a | 3' | carboxy | terminal | end |    |
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| <220><br><223>                   | PNA wi                    | th a | 5' | amino | terminal | end | and | a | 3' | carboxy | terminal | end |    |
| <400><br>gaactc                  | 21<br>gatg ac             | cta  |    |       |          |     |     |   |    |         |          |     | 15 |
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| <400><br>tgatga                  | 22<br>tttg ac             | ccc  |    |       |          |     |     |   |    |         |          |     | 15 |
| <210><br><211><br><212><br><213> | 23<br>15<br>DNA<br>Artifi | cial |    |       |          |     |     |   |    |         |          |     |    |
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| <210><br><211><br><212><br><213> | 24<br>15<br>DNA<br>Artifi | cial |    |       |          |     |     |   |    |         |          |     |    |
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| <210><br><211>                   | 25<br>15                  |      |    |       |          |     |     |   |    |         |          |     |    |

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| <213>                            | QGN-037.1P US.ST25.txt Artificial         |    |
|----------------------------------|---|----|
| <220><br><223>                   | LNA with an octandiol group at the 3' end |    |
| <400><br>ctccag                  | 25<br>ctta acggt                          | 15 |
| <210><br><211><br><212><br><213> | 26<br>15<br>DNA<br>Artificial             |    |
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| <400><br>taacgg                  | 26<br>tatt tggag                          | 15 |
| <210><br><211><br><212><br><213> | 27<br>14<br>DNA<br>Artificial             |    |
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| <210><br><211><br><212><br><213> | 29<br>15<br>DNA<br>Artificial             |    |
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| <223>                            | QGN-037.1P US.ST25.txt<br>LNA with an octandiol group at the 3' end |    |
|----------------------------------|---|----|
| <400><br>atccaga                 | 30<br>atgc tcaag  | 15 |
| <210><br><211><br><212><br><213> | 31<br>15<br>DNA<br>Artificial                                       |    |
| <220><br><223>                   | LNA with an octandiol group at the 3' end                           |    |
| <400><br>ccccag                  | 31<br>ttta gtagt  | 15 |
| <210><br><211><br><212><br><213> | 32<br>15<br>DNA<br>Artificial                                       |    |
| <220><br><223>                   | LNA with an octandiol group at the 3' end                           |    |
| <400><br>cagttta                 | 32<br>agta gttgg  | 15 |
| <210><br><211><br><212><br><213> | 33<br>15<br>DNA<br>Artificial                                       |    |
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| <400>                            | 33<br>cata atatc  | 15 |